Journal of Clinical Ultrasound

Contents

Volume 20, 1992

January 1992

ORIGINAL ARTICLES

3 **Echocardiographic Evaluation of the Valves and Roots of the Pulmonary Artery and Aorta in the Developing Fetus**

Jin Deng, M.Med, Pei-Xuan Cheng, MD, Shu-Ying Gao, and Liang-Zhen Wen

11 **Double Pigtail Cystogastric Stent in the Management of Pancreatic Pseudocyst**

Karunamoy Das, MD, Rakesh Kochhar, MD, DM, Satyender P. Kaushik, FRCS, Narender M. Gupta, MS, Satish K. Mehta, MD, Sudha Suri, MD, DABR, and Jay Dev Wig, MS, FRCS

19 **In Vivo Validation of Image-Directed Doppler Measurement of Superior Mesenteric Artery Blood Flow**

Michael Scheurlen, MD, Cornelius Waller, MD, and Franz Hartmann, MD

27 **Ultrasound Guidance for Biopsy of Omental Abnormalities**

Chris L. Sistrom, MD, Patricia L. Abbitt, MD, and Philip S. Feldman, MD

37 **Clinical versus Ultrasound Examination of the Thyroid Gland in Common Clinical Practice**

A. Brander, MD, P. Viikinkoski, MD, J. Tuuhea, MD, L. Voutilainen, MD, and L. Kivisaari, MD

43 **Ophthalmic and Cerebral Blood Flow Velocities in Preterm Infants: Influence of Ambient Lighting Conditions**

Willem Baerts, MD, Ria A.C. Valentin, MD, and Pieter J.J. Sauer, MD

CASE REPORTS

49 **The Subxyphoid View: A Method to Evaluate The Right Lower Lobe Sonographically**

Susan Williamson, MD, and Michael Williamson, MD

51 **Intratesticular Masses Associated with Abnormally Functioning Adrenal Glands**

Thomas H. Shawker, MD, John L. Doppman, MD, Peter L. Choyke, MD, Irwin M. Feuerstein, MD, and Lynnette K. Nieman, MD

59 **Gastric Lymphoma: Ultrasound Appearance Due to Isolated Mucosal Infiltration**

Christian Goerg, MD, Wolf B. Schwerk, MD, and Kurt Neumann, MD

62 Antenatal Detection of Hydranencephaly at 12 Weeks, Menstrual Age

Yue-Shan Lin, MD, Fong-Ming Chang, MD, and Chi-Hong Liu, MD

65 Cystic Mesothelioma of the Retroperitoneum

Yuk-Pui Li, MD, Rogelio Guico, MD, Sanjiv Parikh, MD, DRM, and Stephen Chiu, MD

69 First Trimester Sonographic Diagnosis of Diprosopus Twins with Craniorachischisis

Maurizio Fontanarosa, MD, Guglielmo Bagnoli, MD, Paolo Ciolini, MD, Giansenio Spinelli, MD, and Piero Curiel, MD

72 Cystic Leimyosarcoma of the Stomach in a Child

Deborah S. Ablin, MD, and William E. Brant, MD

77 Prenatal Ultrasound Diagnosis of Complete Absence of the Lumbar Spine and Sacrum

Israel Meizner, MD, Fernanda Press, MD, Abraham Jaffe, MD, and Rivka Carmi, MD

81 Pelvic Varices Simulating Bilateral Adnexal Masses: Differential Diagnosis by Transvaginal Color Doppler

Béla Juhász, MD, Asim Kurjak, MD, PhD, and Laszlo G. Lampe, MD, DSc

February 1992

ORIGINAL ARTICLES

89 Intrahepatic Venous and Portal Venous Aneurysms Examined by Color Doppler Flow Imaging

Sachiko Tanaka, MD, Tsugio Kitamura, MD, Makoto Fujita, MD, Hiroyasu Iishi, MD, Hiroshi Kasugai, MD, Katsumi Nakanishi, MD, and Shigeru Okuda, MD

99 Sjogren Syndrome: Comparison of Sialography and Ultrasonography

Shodayu Takashima, MD, Shizuo Morimoto, MD, Noriyuki Tomiyama, MD, Noriyuki Takeuchi, MD, Junpei Ikezoe, MD, and Takahiro Kozuka, MD

111 Measurement of Femoral Torsion with Ultrasound: Evaluation of a New Technique Using Reference Lines on the Posterior Surface of the Femur

V. Kumar, MD, Benjamin Joseph, MS(Orth), MChOrth, Jacob Verghese, MS(Orth), and M.K. Ghosh, MD

115 Flow Velocity Analysis of Umbilical and Uterine Artery Flow in Pre-Eclampsia Treated with Propranolol or Pindolol

Israel Meizner, MD, Esther Paran, MD, Miriam Katz, MD, Gershon Holcberg, MD, and Vaclav Insler, MD

121 Sonographic Detection of Stones in Poorly Opacified Left Intrahepatic Ducts

Chi-Sin Changchien, MD, Jyh-Jou Chen, MD, Dar-In Tai, MD, Shiah-Shien Chiou, MD, and Chung-Huang Kuo, MD

CASE REPORTS

126 **Ultrasonographic Appearance of a Dermoid Cyst of the Floor of the Mouth**

Gianni Zironi, MD, Luigi Bolondi, MD, Umberto Caliceti, MD, Giovanni Sorrenti, MD, and Luigi Barbara, MD

129 **Sonographic Appearance of Malignant Mesothelioma of the Tunica Vaginalis Testis in a Child**

Martin Pfister, MD, Diego Sáez, MD, and Francisco Celeste, MD

132 **Prenatal Ultrasonic Features in a Rare Case of Congenital Ichthyosis (Harlequin Fetus)**

Israel Meizner, MD

135 **Transvaginal Aspiration of an Ovarian Tumor with a Benign Ultrasound Appearance During the Second Trimester of Pregnancy**

D. James Lee, MD, Donald M. Heggen, MD, and Henry L. VanderKolk, MD

139 **Axial Sonographic Features of Dandy-Walker Variant with Occipital Cephalocele**

Yong-Ming Chiou, MD, and Chang-Hai Tsai, MD

142 **Nonpalpable Primary Thyroid Lymphoma Diagnosed by Ultrasound-Guided Fine Needle Biopsy**

Shodayu Takashima, MD, Noriyuki Tomiyama, MD, Shizuo Morimoto, MD, Takahiro Kozuka, MD, and Kiyoshi Ichihara, MD

146 **Incarcerated Spigelian Hernia in Pregnancy: An Ultrasonic Diagnosis**

Y. Zalel, MD, E. Shalev, MD, S. Romano, MD, M. Ben-Ami, MD, U. Dan, MD, and E. Weiner, MD

149 **Prenatal Diagnosis of Fetal Brain Arteriovenous Malformation: The Use of Color Doppler Imaging**

U. Dan, MD, E. Shalev, MD, M. Greif, MD, and E. Weiner, MD

March/April 1992

ORIGINAL ARTICLES

155 **A Review of Fetal Organ Measurements Obtained with Ultrasound: Normal Growth**

Toshiyuki Hata, MD, PhD, and Russell L. Deter, MD

175 **An Assessment of Hysterosalpingosonography (HSSG) as a Diagnostic Tool for Uterine Cavity Defects and Tubal Patency**

F. Bonilla-Musoles, MD, C. Simón, MD, V. Serra, MD, M. Sampaio, MD, and A. Pellicer, MD

183 **Assessment of Value of Pancreatic Pseudocyst Amylase Concentration in the Treatment of Pancreatic Pseudocysts by Percutaneous Evacuation**

Marko Duvnjak, MD, Borislav Vucelić, MD, Ivo Rotkvić, MD, Predrag Sikirić, MD, Tomislav Brkić, MD, Marko Banić, MD, Branko Troskot, MD, and Vladimir Supanc, MD

187 **Color and Conventional Image-Directed Doppler Ultrasonography: Accuracy and Sources of Error in Quantitative Blood Flow Measurements**

Carsten Ranke, MD, Philippe Hendrickx, MD, Ulrich Roth, Friedhelm Brassel, MD, Andreas Creutzig, MD, and Klaus Alexander, MD

CASE REPORTS

194 **Intestinal Perforation by a Foreign Body: Diagnostic Usefulness of Ultrasonography**

Luigi Matricardi, MD, and Roberta Lovati, MD

197 **Complete Prenatal Urinary Tract Obstruction Caused by Congenital Megalourethra**

B. Simma, MD, I. GaBner, MD, C. Brezinka, MD, H. Ellemunter, MD, and A. Kreczy, MD

200 **Testicular Pseudotumor Caused by *Mycobacterium bovis* Epididymitis**

Jack Dempsey, MD, Jay Brooks, MD, and Randall L. Scott, MD

204 **Hepatic Granuloma in Toxacaral Infection: Role of Ultrasonography in Hypereosinophilia**

Hiromi Ishibashi, MD, Rhuji Shimamura, MD, Yasuhiko Hirata, MD, Jiro Kudo, MD, and Hideo Onizuka, MD

211 **Diffuse Peripheral Uterine Calcification (Manifestation of Monckeberg's Arteriosclerosis) Detected by Ultrasonography**

Mostafa Atri, MD, Jeannette de Stempel, MD, Mary K. Senterman, MD, and Patrice M. Bret, MD

217 **Aspergillus Osteomyelitis of the Rib: Sonographic Diagnosis**

Claudio Cartoni, MD, Alberta Capua, MD, Costantino Damico, MD, and Guiseppe Potente, MD

221 **Transperineal Sonography in the Assessment of a Urethral Diverticulum**

Karen L. Reuter, MD, Stephen B. Young, MD, and Jay Colby, MD

May 1992

ORIGINAL ARTICLES

231 **High-Frequency Transvaginal Sonographic Examination for the Potential Malformation Assessment of the 9-Week to 14-Week Fetus**

Ilan E. Timor-Tritsch, MD, Ana Monteagudo, MD, and David B. Peisner, MD

239 **Effect of Measurement Variability on Rossavik Growth Model Specification and Prediction of Growth Outcome at Birth**

Nicolas V. Simon, MD, Russell L. Deter, MD, Alexander D. Kofinas, MD, and Daniel R. Grow, MD

247 **Sonographic Measurement of Penile Erectile Volume**

Kuang-Kuo Chen, MD, Yi-Hong Chou, MD, Luke S. Chang, MD, and Ming-Tsuan Chen, MD

255 **Accuracy of Transvaginal Ultrasonography for Detection of Hematosalpinx in Ectopic Pregnancy**

Mostafa Atri, MD, Jeannette de Stempel, MD, and Patrice M. Bret, MD

263 **Doppler Echocardiographic Measurement of Cardiac Output in Man Using Mitral Annulus Method**

Hiroyuki Shimamoto, MD, Yoriko Shimamoto, MD, Hiroyuki Kito, MD, Kohei Kawazoe, MD, Tsuyoshi Fujita, MD, and Mitsunori Okamoto, MD

CASE REPORTS

271 **Intrauterine Assessment of High-Output Cardiac Failure with Spontaneous Remission of Hydrops Fetalis in Twin-Twin Transfusion Syndrome: Use of Two-Dimensional Echocardiography, Doppler Ultrasound, and Color Flow Mapping**

R. Achiron, MD, R. Rabinovits, MD, Y. Aboulafia, MD, Y. Diamant, MD, and J. Glaser, MD

278 **The Multivessel Umbilical Cord: An Antenatal Indicator of Possible Conjoined Twinning**

Harris L. Cohen, MD, Mark L. Shapiro, MD, Jack O. Haller, MD, and David Schwartz, MD

283 **Transvaginal Sonography as an Aid in the Clinical Staging of Carcinoma of the Cervix**

Jonathan Carter, FRACOG, Linda F. Carson, MD, Steven Elg, MD, Mark Moradi, MD, Lowell Byers, MD, Leon Adcock, MD, Konald Prem, MD, and Leo B. Twiggs, MD

288 **Repeated Ultrasonography and Intramuscular Methotrexate in the Conservative Management of Residual Adherent Placenta**

Arie Raziel, MD, Abraham Golan, MD, Shlomo Ariely, MD, Arie Herman, MD, and Eliahu Caspi, MD

291 **Sonographic Features of Arterioportal Fistula**

Pedro Mora, MD, Luis Rábago, Francisco Gea, MD, Fernando Soler, Pilar Martinez-Montiel, and Rocio Campos

294 **Ultrasonic "Hole Sign": A Reliable Sign of Perforation of the Gallbladder?**

Wing-Kay Chau, MD, Kin-Bong Wong, MD, Siu-Cheung Chan, MD, Andy-Tsuda Na, MD, Susan Chan, MD, Jung-Shu Wang, MD, and Chak-Ming Wong, MD

June 1992

ORIGINAL ARTICLES

303 **Peripheral Cholangiocarcinoma: Sonographic Evaluation**

Bussanee Wibulpolprasert, MD, and Tula Dhiensiri, MD

315 **Ultrasonographic Fine-Needle Aspiration of Pathological Masses in the Head and Neck Region**

Ralf Siegert, MD, DDS, Peter Küppers, MD, and Gustavo Barreton, MD

321 **Mathematical Modeling of Fetal Splenic Growth: Use of the Rossavik Growth Model**

Toghiyuki Hata, MD, PhD, Russell L. Deter, MD, Showa Aoki, MD, Ken Makihara, MD, Kohkichi Hata, MD, PhD, and Manabu Kitao, MD, PhD

329 **New Simple Method for Thyroid Volume Determination by Ultrasonography**

Ágnes Szebeni, MD, and Éva Beleznay, MD

339 **Ultrasound Findings in Perihepatitis Associated with Pelvic Inflammatory Disease**

Alex Schoenfeld, MD, Benjamin Fisch, MD, PhD, Maja Cohen, MD, Michael Vardy, and Jardena Ovadia, MD

CASE REPORTS

343 **Early Prenatal Diagnosis of Acrania by Transvaginal Ultrasonography**

Yi-Chieh Yang, MD, Chun-Hsein Wu, MD, Fong-Ming Chang, MD, Chi-Hong Liu, MD, and Chung-Ho Chien, MD

346 **Ultrasound Diagnosis of Traumatic Testicular Rupture**

Phamode Bhandry, BS, Patricia L. Abbitt, MD, and Laurence Watson, RDMS

349 ***Brucella melitensis* Splenic Abscess: Sonographic Detection and Follow-Up**

Kemal Bahri Ateş, MD, M. Enver Dolar, MD, Mehmet Karahan, MD, Gulay Temuçin, MD, and Leziz Onaran, MD

352 **Sonographic Spectrum of Giant Intramural Duodenal Hematoma: Identifying a Case Simulating Traumatic Pancreatic Pseudocyst**

Chen-Chu Wu, MD

356 **Transient Perinephric Accumulation of Fluid Associated with Acute Appendicitis in Pregnancy**

David M. Sherer, MD, Jacques S. Abramowicz, MD, Tamara Allen, RDMS, Jaffery R. Fichter, MD, William Harvey, MD, and James R. Woods, Jr., MD

360 **Adult Intussusception Caused by Cecal Cancer and Diagnosed Preoperatively by Ultrasonography**

Yasuhiko Kojima, MD, Tomokuni Tsuchiyama, MD, Shuichi Niimoto, MD, and Gizo Nakagawara, MD

July/August 1992

ORIGINAL ARTICLES

369 **Color Flow Doppler Ultrasonography: Comparison with Peripheral Arteriography for the Investigation of Peripheral Vascular Disease**

J.F. Whelan, MD, M.H. Barry, MD, and J.D. Moir, MD

375 **Ultrasonic Detection of Viscera Slide as an Indicator of Abdominal Wall Adhesions**

Issei Kodama, MD, Laurie A. Loiacono, MD, Bernard Sigel, MD, Junji Machi, MD, PhD, Robert M. Golub, MD, Richard E. Parsons, MD, Jeffrey Justin, Howard A. Zaren, MD, and Ajit K. Sachdeva, MD

381 **Growth Standards for Anatomic Measurements and Growth Rates Derived from Longitudinal Studies of Normal Fetal Growth**

Russell L. Deter, MD, and Ronald B. Harrist, MD

389 **Ultrasound Imaging in Tropical Pancreatitis**

T.R. Kapila Moorthy, MD, N. Nalini, MD, and M. Narendranathan, MD, MPH

395 **Incidentally Detected Renal Cell Carcinoma: Role of Ultrasonography**

Massio Porena, MD, Giusepe Vespasiani, MD, Paolo Rosi, MD, Elisabetta Constantini, MD, Guido Virgili, MD, Ettore Mearini, MD, and Francesco Micali, MD

CASE REPORTS

401 **Ultrasonic Prenatal Diagnosis of Liver Metastases from Adrenal Neuroblastoma**

Isabella S. Liyanage, MRCP, FRCR, and Daman Katock, DMU

404 **Transabdominal and Transvaginal Sonographic Diagnosis of a Uterus Didelphys with a Rudimentary Right Horn and Right Cervical Atresia**

David M. Sherer, MD, Paula C. Eggers, RDMS, Louis A. Farchione, MD, and Jacques S. Abramowicz, MD

408 **Infected Atrial Myxoma**

Richard J. Coker, MRCP, David Barnardo, MD, FRCP, and Julian P. Teare, MRCP

410 **Cholecystedema (Transient Aseptic Acalculous Cholecystitis)**

Marvin L. Daves, MD, and William B. Seale, MD

412 **Sonographic Underestimation of the Size of a Foreign Body**

C.B. Howard, FRCS, M. Nyska, MD, I. Mellor, MD, N. Leiberman, MD, and G. Mozes, MD

415 **Sonographic Appearance of Extensive Subcutaneous Calcificiation**

Kei Konno, MD, Hideaki Ishida, MD, Pablo Morikawa, MD, Atushi Uno, MD, Makoto Niizawa, MD, Hiroko Naganuma, MD, Osamu Masamune, MD, and Midori Niizawa, MD

September 1992

ORIGINAL ARTICLES

427 **Portosystemic Collateral Shunts Originating from the Left Portal Veins in Portal Hypertension: Demonstration by Color Doppler Flow Imaging**

Noboyuki Sugiura, MD, Eii Karasawa, MD, Naiki Saotome, MD, Makoto Miki, MD, Shouichi Matsutani, MD, and Masao Ohto, MD

433 **Color Doppler Imaging of the Cystic Artery**

Frank P. McGrath, MB, Stephen H. Lee, MB, and Robert G. Gibney, MB

439 **Diagnosis of Portal Vein Tumor Thrombus by Pulsed Doppler Ultrasonography**

Junji Furuse, MD, Shoichi Matsutani, MD, Masaharu Yoshikawa, MD, Masaaki Ebara, MD, Hiromitsu Saisho, MD, Yukihiro Tsuchiya, MD, and Masao Ohto, MD

447 **Continuous Recording of Changes in Intracranial Pressure Using Interference Echoes of Ultrasonic Wave: A Preliminary Report of Practicality and Clinical Evaluation**

Hiroji Kuchiwaki, MD, Suguru Inao, MD, Kazuhiko Andoh, MD, Junki Itoh, MD, Nobumitsu Sakuma, E, Toshio Takishita, SE, and Yukio Ogura, PhD

457 **Measurements of Uterine Volume: A Comparison Between Measurements by Ultrasonography and by Water Displacement**

Jarmila Josefa Wiener, MRCOG, and Robert G. Newcombe, PhD, FSS

461 **Tuberculous Pleural Effusions: Ultrasonic Diagnosis**

Okan Akhan, MD, Figen B. Demirkazik, MD, Mustafa N. Özmen, MD, Ferhum Balkanci, MD, Seref Özkara, MD, Lütfi Cöplü, MD, Salih Emri MD, and Aytekin Besim, MD

CASE REPORTS

466 **Complete Regression of a Multicystic Dysplastic Kidney in the Setting of Renal Crossed Fused Ectopia**

Randall L. Siegel, MD, David L. Rosenfeld, MD, and Sherwin Leiman, MD

470 **Prenatal Ultrasonographic Appearance of "Cornelia de Lange" Syndrome**

Leo F. Drolshagen, MD, Gudron Durmon, RT, RDMS, Mike Berumen, MD, and Deland D. Burks, MD

475 **Eosinophilic Gastroenteropathy: Ultrasonographic Features and the Role of Ultrasonography in Follow-up**

Kemal Tuncali, MD, Canan Erzen, MD, Nevzat Gürmen, MD, Nükhet Tüzüner, MD, and Nefise B. Ulusoy, MD

479 The Sonographic Appearance of an Intratesticular Adenomatoid Tumor

William J. Somers, MD

481 Ipsilateral Duplication of the Inferior Vena Cava

Anthony J. Doyle, MB ChB, FRACR, Michael G. Melendez, MD, and Margaret A. Simons, MD

486 Mesenteric Castleman Disease: Sonographic Diagnosis

Yechiel Barki, MD, Gad Shadked, MD, and Isaac Levy, MD

October 1992

Symposium on Renal Transplantation

493 Guest Editorial

Paul A. Dubbins, FRCR

495 Renal Transplantation: The Normal Morphological and Doppler Ultrasound Examination

Erik Jurriaans, BSc, and Paul A. Dubbins, FRCR

507 Doppler and Color Doppler Imaging in Acute Transplant Failure

M. Pelling, MRCP, and Paul A. Dubbins, FRCR

517 Vascular Complications in the Adult Kidney Transplant Recipient

M.C. Plainfosse, V. Menoyo Calonge, C. Beyloune-Mainardi, D. Glotz, and A. Duboust

529 Morphological Appearance of Renal Allografts in Transplant Failure

J.F. Griffin, MB, and M.M. J. McNicholas, MB

539 Doppler and Color Doppler Ultrasonography in Renal Transplants: Chronic Rejection

Colin Deane, PhD

545 Complications of Renal Transplantation and the Role of Interventional Radiology

Henry C. Irving, FRCR, and S. Habib Kashi, FRCS Ed

553 Ultrasound Assessment of the Problem Kidney Transplant: A Surgical Prospective

J.F.L. Shaw, ChM, FRCS

557 Ultrasonography of the Native Kidney in Dialysis and Transplant Patients

P.L. Allan, BSc, FRCPE, FRCR

November/December 1992

ORIGINAL ARTICLES

573 **Detection of Intrauterine Growth Retardation in Twins Using Individualized Growth Assessment: I. Evaluation of Growth Outcome at Birth**

Russell L. Deter, MD, Theodor Stefos, MD, Ronald B. HJarrist, PhD, and Reba M. Hill, MD

579 **Detection of Intrauterine Growth Retardation in Twins Using Individualized Growth Assessment: II. Evaluation of Third-Trimester Growth and Prediction of Growth Outcome at Birth**

Russell L. Deter, MD, Theodor Stefos, MD, Ronald B. Harrist, PhD, and Reba M. Hill, MD

587 **Sonographic Findings in Gallbladder Ascariasis**

Mohammad Sultan Khuroo, MD, DM, Showkat Ali Zargar, MD, DM, Ghulam Nabi Yattoo, MD, Mohamad Yousuf Dar, MD, Gul Javid, MD, Bashir Ahmad Khan, MD, Mohamad Iqbal Boda, MD, and Rakesh Mahajan, MD

593 **Anomalous Position of the Gallbladder: Ultrasonographic and Scintigraphic Demonstration in Four Cases**

V. M. Pradeep, DRM, K. Ramachandran, MD, and K. Sasidharan, MD

599 **A Prospective Comparative Study of Transvaginal Ultrasonography and Digital Examination for Cerical Assessment in the Third Trimester of Pregnancy**

B. H. Lim, MRCOG, T. A. Mahmood, MRCOG, N. C. Smith, MD, MRCOG, and I. Beat, BSc

CASE REPORTS

604 **Evaluation of Diamniotic-Dichorionic Pregnancy into Complete Hydatidiform Mole and Normal Fetus**

F. Javier Garcia-Aguayo, MD and M. Antonia Menargues Irles, MD

608 **Intrasplenic Penetration of a Pancreatic Pseudocyst: Early Ultrasonographic Detection**

Ezio Gaia, MD, Giancarlo Babini, MD, Luca Dughera, MD, Bartolomeo Maria Marino, MD, Giuseppe Valter Drago, MD, and Giorgio Emanuelli, PhD

612 **Infective Endocarditis in Hypertrophic Obstructive Cardiomyopathy**

Ming-Ren Chen, MD

615 **Insulinoma: Detection by Intraoperative Ultrasonography**

T. C. Brightbill, MD, E. O. Templeton, MD, FACR, David Sperling, MD, and Laslie P. Mooney, BS, RT, RDMS

618 **Diagnosis of Candidal Infection of the Prostate by Transrectal Ultrasonography and Biopsy**

Michael R. Williamson, MD, Anthony Y. Smith, MD, William C. Black, MD, and Robert D. Rosenberg, MD

621 **Hemobilia Following Percutaneous Ethanol Injection for Hepatocellular Carcinoma in a Cirrhotic Patient**

Ilario de Sio, MD, Luigi Castellano, MD, and Maria Calandra, MD

624 **Ultrasonography in the Recognition of Penile Cancer**

A. Cengaver Dorak, MD, G. Ajlan Ozkan, MD, Nevin I. Tamac, MD, and Ayse Saray, MD

627 **The Growing Renal Angiomyolipoma**

G. Zacharopoulos, MD, G. Hadzisotiriou, MD, S. Papadopoulos, MD, and A. Eliadis, MD

632 **Carcinoma of the Cervico-Thoracic Esophagus: Sonographic Findings and Guided Percutaneous Needle Biopsy**

Farzin Eftekhari, MD, Bruno D. Fornage, MD, and Thomas G. Mahon, MB, FRCR